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Nitroglycerin, propellant gas-free spray prepn. - stored in container in which the steel parts are made of V4A series steels to inhibit nitroglycerin decomposition

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Patent Details:

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Abstract (Basic): DE 4112303 A

A nitroglycerine-contg. propellant gas free spray prepn. contg. 0.1-5 wt.% active ingredient, a solvent and opt. conventional pharmaceutical auxiliaries uses a special steel in the dosing device. The steel is (a) a CrNiMo steel contg. 16-28% Cr, 10-35% Ni and 2-7% Mo, opt. with the conventional content of Ti, Nb, N and/or Cu used in austenitic stainless steels; (b) a CrNiH steel contg. 17-19% Cr, 9.0-11.5% Ni and 0.12-0.20% H; (c) a CrNi steel contg. 24-26% Cr and 20-22% Ni; (d) a CrNiSi steel contg. ca. 18% Cr, ca 15% Ni and ca 4% Si; or (e) NiCrAlTi steel contg. 20-23% Cr, 32-35% Ni, 0.15-0.45% Al and Ti is at least 8 x % (C+H) is less than 0.60.

USE/ADVANTAGE - The spray prepn. can be used buccally in the treatment of Angina pectoris. The use of the special steels as the steel component (e.g. in the valve) of the dosing device gives better stability of the active ingredient. The decomposition of the nitro-glycerine which normally occurs in propellant gas free prepn. is inhibited by replacing the V2A-steels conventionally used with the special steels listed.

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Title Terms: NITROGLYCERIN; PROPELLANT; GAS; FREE; SPRAY; PREPARATION; STORAGE; CONTAINER; STEEL; PART; MADE; SERIES; STEEL; INHIBIT; NITROGLYCERIN; DECOMPOSE

Derwent Class: B07; M27

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